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BIRCH STEWART KOLASCH & BIRCH  
PO BOX 747  
FALLS CHURCH, VA 22040-0747

EXAMINER
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LAZARO, DAVID R

ART UNIT	PAPER NUMBER
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2155

NOTIFICATION DATE	DELIVERY MODE
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12/17/2007

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

# Office Action Summary

Application No.

10/621,524

Applicant(s)

HAN, MONG JU

Examiner

David Lazaro

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 11 September 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This office action is in response to the amendment filed 09/11/2007.
2. Claims 1, 9 and 21 were amended.
3. Claims 1-26 are pending in this office action.

### ***Response to Amendment***

4. Applicant's arguments filed 09/11/2007 have been fully considered but they are not persuasive. See Response to Arguments. Accordingly, the grounds of rejection presented in the 08/06/2007 office action are respectfully maintained and adjusted in light of the amendment. This office action is made final.

### ***Claim Rejections - 35 USC § 102***

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-26 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 5,632,002 by Hashimoto et al. (Hashimoto).

6. With respect to claim 1, Hashimoto teaches an apparatus for converting an e-mail (electronic mail) data into an audio data, comprising:

a communication connector connected with a communication line to control a transmission of an e-mail data and an e-mail audio data (Col. 52 lines 24-28: electronic mail processing unit), the communication connector comprising:

a controller to control receiving and sending e-mail data pertaining to an e-mail (Col. 52 lines 24-29: electronic mail processing unit), and to control conversion from the received e-mail data into e-mail message data (Col. 49 lines 42-64: conversion of email data into speech data and other appropriate data), contents and texts of the e-mail (Col. 49 lines 42 - Col. 50 line 31: text, contents and gender information);

an audio data generator to generate an audio signal to convert the e-mail message data into audio data containing contents of the e-mail (Col. 49 lines 42-64: system reads out speech data) and to transmit the audio data containing contents of the email message to a client through the communication connector upon client request (Col. 44 lines 6-36 and Col. 49 lines 38-64: audio data from the conversion is transmitted to the client. Col. 51 lines 60-63 and Col. 55 lines 38-60: user request for accessing email data);

a memory to store the e-mail data, the e-mail message data, and the audio data containing contents of the e-mail (Col. 44 lines 6-36, Col. 49 lines 42-64: conversion of data would require memory in some form);

wherein the stored audio signal containing contents of the e-mail message data is converted into an audio signal in the audio data generator and is outputted through the communication connector to a client (Col. 44 lines 6-36 and Col. 49 lines 38-63: audio data is sent to client and e-mail message is read out).

7. With respect to claim 2, Hashimoto further teaches further comprising an e-mail client program installed system (Col. 47 lines 17-33).

8. With respect to claim 3, Hashimoto further teaches a video unit for processing the e-mail message data; and a display unit for displaying the e-mail message data processed by the video unit (Col. 47 lines 17-33).

9. With respect to claim 4, Hashimoto further teaches wherein the e-mail message data further contains header information of the e-mail and a message from the sender (Col. 49 lines 50-63).

10. With respect to claim 5, Hashimoto further teaches wherein the header information identifies the sender's name, a sending data and a subject of the e-mail (Col. 49 lines 50-63).

11. With respect to claim 6, Hashimoto further teaches wherein the e-mail message data further identifies a total number of e-mails received by the apparatus for the client (Col. 51 lines 40-49).

12. With respect to claim 7, Hashimoto further teaches wherein the audio data generator generates the audio signal in a male voice that is not the sender's if the gender information identifies that the sender of the e-mail is a male, and generates the audio signal in a female voice that is not the sender's if the gender information identifies that the sender of the e-mail is a female (Col. 49 line 64 - Col. 50 line 8).

13. With respect to claim 8, Hashimoto further teaches wherein the male voice is also not of a receiver of the e-mail, and the female voice is also not of a receiver of the e-mail (Col. 49 line 64 - Col. 50 line 8: voices are synthesized voices).

14. With respect to claim 9, Hashimoto teaches a method for converting an e-mail data into an audio data, comprising the steps of:

storing an e-mail when the e-mail is received (Col. 51 lines 40-63: speech mail tool stores received e-mail and allows user to decide when to read the received mail);

converting the received e-mail into e-mail message data and storing the e-mail message data (Col. 49 lines 42-64: conversion of email data into speech data and other appropriate data), contents and texts of the e-mail (Col. 49 lines 42 - Col. 50 line 31: text, contents);

identifying a client's identification when a client requests an e-mail (Col. 55 lines 38-50: user verification based on some identification technique);

converting the e-mail message data to audio data (Col. 49 lines 42-64: conversion of email data into speech data);

saving in a memory the converted audio data (Col. 44 lines 6-36, Col. 49 lines 42-64: conversion of data would require memory in some form); and

transmitting the saved converted audio data to the client as an audio signal (Col. 44 lines 6-36 and Col. 49 lines 38-63: audio data is sent to client and e-mail message is read out),

wherein the converted audio data stored in a memory is attached in the e-mail message data and reproduced audibly as part of the audio signal, the audio message data pertaining to certain data which is not audibly reproduced (Col. 44 lines 6-36 and Col. 49 lines 38-63: saved audio data is sent to client and e-mail message is read out. Col. 54 lines 7-21: summary message is generated by the speech system, summary pertains to a longer message which is not read out).

15. With respect to claim 10, Hashimoto further teaches wherein in said audio converting and storing steps, identification information of the sender of the e-mail is checked and an audio conversion is implemented based on the checked result (Col. 49 line 63 - Col. 50 line 8).

16. With respect to claim 11, Hashimoto further teaches wherein the identifying step includes a step of judging whether there is an e-mail received after the client's identification has been identified (Col. 55 lines 38-50: user is verified before access is allowed).

17. With respect to claim 12, Hashimoto further teaches a step for transmitting a message indicating that the email is not received when the e-mail is not received (Col. 51 lines 40-49: system informs user of the number of emails received, which would include none).

18. With respect to claim 13, Hashimoto further teaches a step for referencing the sender of the e-mail in an address list (Col. 49 line 63 - Col. 50 line 8).

19. With respect to claim 14, Hashimoto further teaches wherein said identifying step is implemented using a telephone line or using a direct access to an e-mail service system (Col. 55 line 15-50).

20. With respect to claim 15, Hashimoto further teaches wherein said audio signal is generated based on the gender of the sender of the e-mail (Col. 49 line 63 - Col. 50 line 8).

21. With respect to claim 16, Hashimoto further teaches wherein said audio signal is generated in a male voice that is not the sender's if the gender information identifies that

the sender of the e-mail is a male, and said audio signal is generated in a female voice that is not the sender's if the gender information identifies that the sender of the e-mail is a female (Col. 49 line 64 - Col. 50 line 8).

22. With respect to claim 17, Hashimoto further teaches wherein the male voice is also not of a receiver of the e-mail, and the female voice is also not of a receiver of the e-mail (Col. 49 line 64 - Col. 50 line 8: voices are synthesized voices).

23. With respect to claim 18, Hashimoto further teaches wherein, in the step of converting the received e-mail into the e-mail message data, the e-mail message data further contains header information of the e-mail and a message from the sender (Col. 49 line 64 - Col. 50 line 8: voices are synthesized voices).

24. With respect to claim 19, Hashimoto further teaches in the step of converting the received e-mail into the e-mail message data, the header information identifies the name of the sender, a sending date, and a subject of the e-mail (Col. 49 lines 50-63).

25. With respect to claim 20, Hashimoto further teaches wherein the e-mail message data further identifies a total number of e-mails directed to the client (Col. 51 lines 40-49).

26. With respect to claim 21, Hashimoto a method of converting e-mail data into audio data, comprising:

detecting, from a user, a request to access an e-mail stored in a server (Col. 51 lines 60-63 and Col. 55 lines 38-60: user request for accessing email data);

verifying contents of said server upon detecting the user request (Col. 55 lines 15-60);



converting at least a portion of the e-mail into audio data (Col. 49 lines 42-64: system reads out speech data);

saving the converted audio data in a memory (Col. 44 lines 6-36, Col. 49 lines 42-64: conversion of data would require memory in some form); and

conveying the saved converted audio data to the user by simulating a voice indicating a gender of a sender of the e-mail (Col. 44 lines 6-36 and Col. 49 lines 38-63: audio data is sent to client and e-mail message is read out),

wherein said verifying is performed without going through an intermediary between said server and said user (Col. 55 lines 15-60: direct telephone access without intermediary),

wherein said portion of the e-mail is a header portion of the e-mail, a body of the e-mail includes texts, and the texts are converted into standard code format (Col. 49 lines 50-63: text, contents and header), and

wherein an audio message data stored in a memory is audibly reproduced during the conveying step, the audio message data pertaining to certain data which is not audibly reproduced (Col. 54 lines 7-21: summary message is generated by the speech system, summary pertains to a longer message which is not read out).

27. With respect to claim 22, Hashimoto further teaches wherein said e-mail header portion contains information identifying the sender's name, a sending date and a subject of the e-mail (Col. 49 lines 50-63).

28. With respect to claim 23, Hashimoto further teaches wherein said e-mail is in ASCII format (Col. 49 lines 50-63: text includes ASCII text).

29. With respect to claim 24, Hashimoto further teaches wherein said intermediary is an electronic mail client program (Col. 55 lines 15-60: direct telephone access without intermediary such as email client program).

30. With respect to claim 25, Hashimoto further teaches, wherein, in the conveying step, the voice is not of the sender of the e-mail (Col. 49 line 64 - Col. 50 line 8: voices are synthesized voices).

31. With respect to claim 26, Hashimoto further teaches wherein the voice is not of a receiver of the e-mail (Col. 49 line 64 - Col. 50 line 8: voices are synthesized voices).

### ***Response to Arguments***

32. Applicant's arguments filed 09/11/2007 have been fully considered but they are not persuasive.

33. Applicant argues on pages 10-11 of the remarks - "*Hashimoto does not disclose the combination of features. For example, it appears to applicant that Hashimoto does not store e-mail data converted to audio then transmit that converted audio to a client from a memory. It appears that Hashimoto does not store its converted audio data before communicating it to a client. See, for example, Fig. 75 of Hashimoto, and the discussion in Hashimoto of embodiments fifteen and sixteen from col. 50 through col. 55 of Hashimoto.*"

- a. Examiner's response - Col. 44 lines 6-36 (see also Fig. 63) of Hashimoto describes the flow of a text to speech conversion that occurs when an email is read out such as described in Col. 49 lines 38-40. The conversion starts with a request from a message processing unit (MPU) to the speech synthesis unit (SSU). The SSU completes the conversion and informs the MPU of the

completion. The MPU then informs the client (application program) of the completion. The client can then further request the MPU for the converted data. The MPU forwards the request to the SSU which replies with the converted data. As such, it is clear that in Hashimoto, the converted audio data is stored at the completion of the conversion as the request for the converted data occurs after the completion and a completion notification. In other words, the converted audio data is at least stored until the client requests the converted audio data.

Applicant's arguments are not persuasive.

### ***Conclusion***

34. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.


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Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Lazaro whose telephone number is 571-272-3986. The examiner can normally be reached on 8:30-5:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
David Lazaro  
December 7, 2007

  
PHILIP TRAN  
PRIMARY EXAMINER